European Journal of Pharmacology, 231 (1993) 489–492
© 1993 Elsevier Science Publishers B.V. All rights reserved 0014-2999/93/$06.00

Author index

Al-Zubaidy, Z., see Chapman, A.G. (231) 301
Antunes, E., see Santana, A.C. (231) 237
Arimura, A., Asanuma, F., Yagi, H., Kurosawa, A. and Harada, M.
Involvement of thromboxane A_2 in bronchial hyperresponsiveness but not lung inflammation induced by bacterial lipopolysaccharide in guinea pigs (231) 13
Arora, R.C., see Gulati, A. (231) 151
Asanuma, F., see Arimura, A. (231) 13

Bai, X., see Walker, J.M. (231) 61
Bakhle, Y.S., see Santana, A.C. (231) 237
Barnes, P.J., see Belvisi, M.G. (231) 97
Barnes, P.J., see Rabe, K.F. (231) 305
Barnes, P.J., see Sakamoto, T. (231) 31
Baudrie, V., De Vry, J., Broqua, P., Schmidt, B., Chaouloff, F. and Glaser, T.
Subchronic treatment with anxiolytic doses of the 5-HT_{1A} receptor agonist ipsapirone does not affect 5-HT_2 receptor sensitivity in the rat (231) 395
Baudrie, V., see Chaouloff, F. (231) 77
Bélichard, P., see Pruneau, D. (231) 215
Belvisi, M.G., Miura, M., Stretton, D. and Barnes, P.J.
Endogenous vasoactive intestinal peptide and nitric oxide modulate cholinergic neurotransmission in guinea-pig trachea (231) 97
Berzetei-Gurske, I.P., see Webster, J.L. (231) 251
Bloss, J.L., see Hammond, D.L. (231) 281
Bond, A., see Boot, J.R. (231) 83
Boot, J.R., Bond, A., Thomas, K.H., O'Brien, A., Gilmore, J. and Todd, A.
The pharmacology of LY290324 in the guinea-pig: an orally active, potent and selective cysteinyl leukotriene receptor antagonist (231) 83
Bot, G. and Chahl, L.A.
Effects of pertussis toxin on behavioural responses of guinea-pigs to centrally administered substance P, quinpirole, carbachol, U-50,488H, morphine and morphine withdrawal (231) 53
Bourdon, V., see Damas, J. (231) 231
Bowen, W.D., see Walker, J.M. (231) 61
Brandt, S.R., see Webster, J.L. (231) 251
Brödemann, R., see Krug, M. (231) 355
Broqua, P., see Baudrie, V. (231) 395
Burres, N.S., see Pollock, D.M. (231) 459

Calignano, A., Persico, P., Mancuso, F. and Sorrentino, L.
Endogenous nitric oxide modulates morphine-induced changes in locomotion and food intake in mice (231) 415
Capogna, M., see Zeise, M.L. (231) 47
Carroll, F.I., see Walker, J.M. (231) 61
Chahl, L.A., see Bot, G. (231) 53
Chan, P., Li, Y., Zheng, Z., Hu, P., Sarbach, S.D. and Guez, D.
Neurologic and histologic evaluation of almitrine + raubasine (Duxil®) in middle cerebral artery occlusion in cats (231) 175
Chaouloff, F., Layeillon, C. and Baudrie, V.
5-HT_{1C}/5-HT_2 receptor blockade prevents 1-(2,5-dimethoxy-4-iodophenyl)2-aminopropane-, but not stress-induced increases in brain tryptophan (231) 77
Chaouloff, F., see Baudrie, V. (231) 395
Chapman, A.G., Al-Zubaidy, Z. and Meldrum, B.S.
Aniracetam reverses the anticonvulsant action of NBQX and GYKI 52466 in DBA/2 mice (231) 301
Chase, T.N., see Marin, C. (231) 191
Chiba, S., see Takayama, S. (231) 315
Choppin, A. and O'Connor, S.E.
Pre-contraction with histamine and U46619 unmasks a 5-HT_1-like receptor in rabbit renal artery (231) 469
Chovet, M., see Pascaud, X.B. (231) 389
Chuliá, S., see Ivorra, M.D. (231) 165
Chung, K.F., see Sakamoto, T. (231) 31
Cools, A.R., see Prinssen, E.P.M. (231) 275
Crayton, J., see Gulati, A. (231) 151

Damas, J., Remacle-Volon, G. and Bourdon, V.
Platelet-activating factor and the vascular effects of zymosan in rats (231) 231
DeHaven-Hudkins, D.L., see Hudkins, R.L. (231) 485
Del Bianco, E., see Santicioli, P. (231) 139
Dent, G., see Rabe, K.F. (231) 305
De Nucci, G., see Santana, A.C. (231) 237
Dessy, C., Salomone, S., Morel, N. and Godfraind, T.
Activity of dihydrothienopyridine S312 enantiomers on L-type Ca^{2+} channels in isolated rat aorta and cerebral microvessels (231) 435
De Vry, J., see Baudrie, V. (231) 395
Diana, M., see Rossetti, Z.L. (231) 203
Divish, B.J., see Pollock, D.M. (231) 459
D'Ocon, M.P., see Ivorra, M.D. (231) 165
Dolata, J., see Lindberg, S. (231) 375
Dutar, P., see Potier, B. (231) 427

Ellenbroek, B.A., see Prinssen, E.P.M. (231) 275
Evans, P., see Rabe, K.F. (231) 305

Fedele, E., see Pittaluga, A. (231) 129
Ferrer, J.M.R., Sabater, R. and Saez, J.A.
Neurotensin participates in self-stimulation of the medial prefrontal cortex in the rat (231) 39
Frew, R., see Lundy, P.M. (231) 197
Fride, E. and Mechoulam, R.
Pharmacological activity of the cannabinoid receptor agonist, anandamide, a brain constituent (231) 313
Fu, W.-M., see Liu, S.-H. (231) 23
Fujisawa, A., see Shimamura, K. (231) 103
Fukutake, K., see Mizuguchi, K. (231) 121
Furukawa, Y., see Takayama, S. (231) 315

Gaudry-Talarmain, Y.M., see Moulian, N. (231) 407
Gessa, G.L., see Rossetti, Z.L. (231) 203
Giembycz, M.A., see Rabe, K.F. (231) 305
Gilmore, J., see Boot, J.R. (231) 83
Glaser, T., see Baudrie, V. (231) 395
Godfraind, T., see Dessy, C. (231) 435
Gruetter, C.A., see Szarek, J.L. (231) 339

Guez, D., see Chan, P. (231) 175
Gulati, A., Arora, R.C. and Crayton, J.
Central serotonergic uptake mechanisms in hypertensive rats: effects of clonidine and centhaquin (231) 151

Hacksell, U., see Yu, H. (231) 69
Haefely, W.E., see Jenck, F. (231) 223
Hamada, T., see Shibata, S. (231) 381
Hammond, D.L. and Bloss, J.L.
Antinociceptive effects of SC-39566, an opioid dipeptide arylalkylamide, in the Rhesus monkey (231) 281
Harada, K., see Ohta, H. (231) 323
Harada, M., see Arimura, A. (231) 13
Haruno, A., see Matsuzaki, T. (231) 363
Hashimoto, K., see Matsuzaki, T. (231) 363
Hashimoto, S., Kigoshi, S. and Muramatsu, I.
Nitric oxide-dependent and -independent neurogenic relaxation of isolated dog urethra (231) 209
Herman, A.G., see Van Diest, M.J. (231) 267
Hirata, Y., Takiguchi, Y., Wada, K., Matsuno, H., Umemura, K., Uematsu, T. and Nakashima, M.
Roles of platelet-activating factor, thromboxane A_2, ADP and thrombin in thrombogenesis in the guinea pig (231) 421
Hmaidan, Y., see Rossetti, Z.L. (231) 203
Hoey, A., Lehmkuhl, A., Sadony, V. and Ravens, U.
Inotropic actions of BDF 9148 and DPI 201-106 and their enantiomers in guinea-pig, rat and human atria (231) 477
Hong, K.W., Park, M.G., Shin, Y.W., Rhim, B.Y. and Ko, K.H.
Effect of ouabain on relaxation induced by cromakalim in human and canine mesenteric arteries (231) 1
Hori, M., see Karaki, H. (231) 371
Hu, P., see Chan, P. (231) 175
Huang, K.-X., see Sun, B.-C. (231) 331
Hudkins, R.L., Stubbins, J.F. and DeHaven-Hudkins, D.L.
Caramiphen, iodocaramiphen and nitrocaramiphen are potent, competitive, muscarinic M_1 receptor-selective agents (231) 485
Hudson, G.M., see Young, G.A. (231) 473
Hyslop, S., see Santana, A.C. (231) 237

Inoue, Y., see Takayama, S. (231) 315
Ishibashi, M., see Mizuguchi, K. (231) 121
Israël, M., see Moulian, N. (231) 407
Ivorra, M.D., Chuliá, S., Lugnier, C. and D'Ocon, M.P.
Selective action of two aporphines at α_1-adrenoceptors and potential-operated Ca^{2+} channels (231) 165

Jenck, F., Moreau, J.-L., Mutel, V., Martin, J.R. and Haefely, W.E.
Evidence for a role of 5-HT_{1C} receptors in the antiserotonergic properties of some antidepressant drugs (231) 223
Jin, G.-Z., see Sun, B.-C. (231) 331
Jinno, Y., see Ohta, H. (231) 323
Junien, J.-L., see Pascaud, X.B. (231) 389
Jun Liu, G. and Takeuchi, H.
Modulatory effects of achatin-I, an *Achatina* endogenous neuroactive peptide, on responses to 5-hydroxytryptamine (231) 259

Kalan, H., see Wu, P.H. (231) 157
Kameyama, T., see Ukai, M. (231) 143
Karaki, H., Sudjarwo, S.A., Hori, M., Sakata, K., Urade, Y., Takai, M. and Okada, T.
ET_B receptor antagonist, IRL 1038, selectively inhibits the endothelin-induced endothelium-dependent vascular relaxation (231) 371
Kasparov, S., see Zeise, M.L. (231) 47
Keane, P.E., see Labie, C. (231) 465
Kigoshi, S., see Hashimoto, S. (231) 209
Ko, K.H., see Hong, K.W. (231) 1
Kobayashi, A., see Suzuki, S. (231) 297
Koga, Y., see Shibata, S. (231) 381
Kogo, H., Takasaki, K., Takeo, S., Watanabe, G., Taya, K. and Sasamoto, S.
A role of prostaglandin in the secretion of inhibin and oestradiol-17β in equine chorionic gonadotrophin-primed rats (231) 481
Krug, M., Matthies, R., Wagner, M. and Brödemann, R.
Non-opioid antitussives and methadone differentially influence hippocampal long-term potentiation in freely moving rats (231) 355
Kuribara, H.
Ceruletide, a cholecystokinin-like decapeptide, differentially reduces the stimulant effect of MK-801 and ketamine: evaluation by discrete shuttle avoidance in mice (231) 7
Kurosawa, A., see Arimura, A. (231) 13

Labie, C., Keane, P.E., Soubrié, P. and Le Fur, G.
The σ receptor ligand SR 31742A increases neurotensin in the nucleus accumbens but not in the caudate-putamen of the rat (231) 465
Layeillon, C., see Chaouloff, F. (231) 77
Lê, A.D., see Wu, P.H. (231) 157
Le Fur, G., see Labie, C. (231) 465
Lehmkuhl, A., see Hoey, A. (231) 477
Lemaire, S., see Shukla, V.K. (231) 293
Lewander, T., see Yu, H. (231) 69
Li, Y., see Chan, P. (231) 175
Lindberg, S. and Dolata, J.
NK_1 receptors mediate the increase in mucociliary activity produced by tachykinins (231) 375
Lin-Shiau, S.-Y., see Liu, S.-H. (231) 23
Liu, G.J. and Takeuchi, H.
AJ-2615, a long-acting Ca^{2+} channel antagonist with a novel structure (231) 91
Liu, J.-F., see Wu, P.H. (231) 157
Liu, S.-H., Fu, W.-M. and Lin-Shiau, S.-Y.
Studies on the inhibition by chlorpromazine of myotonia induced by ion channel modulators in mouse skeletal muscle (231) 23
Liu, Y., see Yu, H. (231) 69
Lockwood, M., see Patrick, S.L. (231) 243
Loh, H.H., see Tao, P.-L. (231) 145
Löscher, W., see Richter, A. (231) 111
Löscher, W., see Richter, A. (231) 287
Löschmann, P.-A., see Richter, A. (231) 287
Lugnier, C., see Ivorra, M.D. (231) 165
Lundy, P.M. and Frew, R.
Pharmacological characterization of voltage-sensitive Ca^{2+} channels in autonomic nerves (231) 197

Maggi, C.A., see Santicioli, P. (231) 139
Mancuso, F., see Calignano, A. (231) 415
Marin, C. and Chase, T.N.
Dopamine D_1 receptor stimulation but not dopamine D_2 receptor stimulation attenuates haloperidol-induced behavioral supersensitivity and receptor up-regulation (231) 191
Martin, J.R., see Jenck, F. (231) 223
Masada, A., see Mizuguchi, K. (231) 121
Mascarella, S.W., see Walker, J.M. (231) 61
Matsuno, H., see Hirata, Y. (231) 421
Matsuno, K., Senda, T. and Mita, S.
Correlation between potentiation of neurogenic twitch contraction and benzomorphan σ receptor binding potency in the mouse vas deferens (231) 451
Matsuzaki, T., Haruno, A. and Hashimoto, K.
Effects of gallopamil, a Ca^{2+} channel blocker in models of ventricular arrhythmia in dogs (231) 363
Matthies, R., see Krug, M. (231) 355

McAllister, K.H.
Antagonism of non-NMDA receptors inhibits handling-induced, strychnine-potentiated convulsions (231) 309
Mechoulam, R., see Fride, E. (231) 313
Meldrum, B.S., see Chapman, A.G. (231) 301
Mihic, S.J., see Wu, P.H. (231) 157
Milicic, I., see Pollock, D.M. (231) 459
Mita, S., see Matsuno, K. (231) 451
Miura, M., see Belvisi, M.G. (231) 97
Miwa, A., see Ohta, H. (231) 323
Miyake, H., see Takeuchi, K. (231) 135
Mizota, M., see Mizuguchi, K. (231) 121
Mizuguchi, K., Yano, T., Tanaka, Y., Ishibashi, M., Masada, A., Mizota, M., Fukutake, K. and Saito, Y.
Mechanism of the lipid-lowering effect of ethyl all-cis-5,8,11,14,17-icosapentaenoate (231) 121
Moreau, J.-L., see Jenck, F. (231) 223
Morel, N., see Dessy, C. (231) 435
Mori, E., see Ukai, M. (231) 143
Moulian, N., Gaudry-Talarmain, Y.M. and Israël, M.
The effect of MR16728, a cetiedil analogue, on acetylcholine release in *Torpedo* synaptosomes (231) 407
Muramatsu, I., see Hashimoto, S. (231) 209
Mutel, V., see Jenck, F. (231) 223

Nakashima, M., see Hirata, Y. (231) 421
Nakazawa, H., see Ohta, H. (231) 323
Nakazawa, K., see Suzuki, S. (231) 297
Neuman, R.S., see Rahman, S. (231) 347
Niki, S., see Takeuchi, K. (231) 135
Nishikori, K., see Ohta, H. (231) 323
Novosad, E.I., see Pollock, D.M. (231) 459

O'Brien, A., see Boot, J.R. (231) 83
O'Connor, S.E., see Choppin, A. (231) 469
Ogawa, N., see Ohta, H. (231) 323
Ohta, H., Nakazawa, H., Jinno, Y., Harada, K., Ogawa, N., Miwa, A. and Nishikori, K.
Effects of K^+ channel openers on ischemic dysfunction and metabolic disturbance in isolated perfused rat heart (231) 323
Ohuchi, T., see Takeuchi, K. (231) 135
Okabe, S., see Takeuchi, K. (231) 135
Okada, T., see Karaki, H. (231) 371
Opgenorth, T.J., see Pollock, D.M. (231) 459
Orito, K., Satoh, K. and Taira, N.
Involvement of ATP-sensitive K^+ channels in the sustained coronary vasodilator response to adenosine in dogs (231) 183

Park, M.G., see Hong, K.W. (231) 1
Pascaud, X.B., Chovet, M., Roze, C. and Junien, J.-L.
Neuropeptide Y and σ receptor agonists act through a common pathway to stimulate duodenal alkaline secretion in rats (231) 389
Patrick, R.L., see Patrick, S.L. (231) 243
Patrick, S.L., Walker, J.M., Perkel, J.M., Lockwood, M. and Patrick, R.L.
Increases in rat striatal extracellular dopamine and vacuous chewing produced by two σ receptor ligands (231) 243
Patrick, S.L., see Walker, J.M. (231) 61
Perkel, J.M., see Patrick, S.L. (231) 243
Perkins, R.S., see Rabe, K.F. (231) 305
Persico, P., see Calignano, A. (231) 415
Pittaluga, A., Fedele, E., Risiglione, C. and Raiteri, M.
Age-related decrease of the NMDA receptor-mediated noradrenaline release in rat hippocampus and partial restoration by D-cycloserine (231) 129
Polgar, W.E., see Webster, J.L. (231) 251
Pollock, D.M., Divish, B.J., Milicic, I., Novosad, E.I., Burres, N.S. and Opgenorth, T.J.
In vivo characterization of a phosphoramidon-sensitive endothelin-converting enzyme in the rat (231) 459
Potier, B. and Dutar, P.
Presynaptic inhibitory effect of baclofen on hippocampal inhibitory synaptic transmission involves a pertussis toxin-sensitive G-protein (231) 427
Prinssen, E.P.M., Ellenbroek, B.A., Stamatovic, B. and Cools, A.R.
The effects of haloperidol and raclopride in the paw test are influenced similarly by SCH 39166 (231) 275
Pruneau, D. and Bélichard, P.
Endothelium-dependent control of vascular tone in the rabbit kidney after ischemia and reperfusion (231) 215

Rabe, K.F., Giembycz, M.A., Dent, G., Perkins, R.S., Evans, P. and Barnes, P.J.
Salmeterol is a competitive antagonist at β-adrenoceptors mediating inhibition of respiratory burst in guinea-pig eosinophils (231) 305
Rahman, S. and Neuman, R.S.
Activation of 5-HT_2 receptors facilitates depolarization of neocortical neurons by N-methyl-D-aspartate (231) 347
Raiteri, M., see Pittaluga, A. (231) 129
Ravens, U., see Hoey, A. (231) 477
Remacle-Volon, G., see Damas, J. (231) 231
Ren, L.-M., see Takayama, S. (231) 315
Rhim, B.Y., see Hong, K.W. (231) 1
Richter, A. and Löscher, W.
Alterations in pharmacological sensitivity of GABAergic but not dopaminergic and glutamatergic systems during ontogenesis in dystonic mutant hamsters (231) 111
Richter, A., Löscher, W. and Löschmann, P.-A.
The AMPA receptor antagonist NBQX exerts antidystonic effects in an animal model of idiopathic dystonia (231) 287
Risiglione, C., see Pittaluga, A. (231) 129
Rossetti, Z.L., Hmaidan, Y., Diana, M. and Gessa, G.L.
Lack of tolerance to ethanol-induced dopamine release in the rat ventral striatum (231) 203
Roze, C., see Pascaud, X.B. (231) 389

Sabater, R., see Ferrer, J.M.R. (231) 39
Sadony, V., see Hoey, A. (231) 477
Saez, J.A., see Ferrer, J.M.R. (231) 39
Saito, Y., see Mizuguchi, K. (231) 121
Sakamoto, T., Barnes, P.J. and Chung, K.F.
Effect of CP-96,345, a non-peptide NK_1 receptor antagonist, against substance P-, bradykinin- and allergen-induced airway microvascular leakage and bronchoconstriction in the guinea pig (231) 31
Sakata, K., see Karaki, H. (231) 371
Salomone, S., see Dessy, C. (231) 435
Santana, A.C., Hyslop, S., Antunes, E., De Nucci, G. and Bakhle, Y.S.
Anti-inflammatory activities of Ph CL28A in rats in vivo (231) 237
Santicioli, P., Del Bianco, E. and Maggi, C.A.
Adenosine A_1 receptors mediate the presynaptic inhibition of calcitonin gene-related peptide release by adenosine in the rat spinal cord (231) 139
Sarbach, S.D., see Chan, P. (231) 175
Sasamoto, S., see Kogo, H. (231) 481
Satoh, H. and Sperelakis, N.
Effects of taurine on Ca^{2+} currents in young embryonic chick cardiomyocytes (231) 443
Satoh, K., see Orito, K. (231) 183
Sawaki, S., see Takayama, S. (231) 315
Schmidt, B., see Baudrie, V. (231) 395
Senda, T., see Matsuno, K. (231) 451
Seybold, V.S., see Tao, P.-L. (231) 145

Shibata, S., Koga, Y., Hamada, T. and Watanabe, S.
Facilitation of 2-deoxyglucose uptake in rat cortex and hippocampus slices by somatostatin is independent of cholinergic activity (231) 381
Shimamura, K., Fujisawa, A., Toda, N. and Sunano, S.
Effects of N^G-nitro-L-arginine on electrical and mechanical responses to stimulation of non-adrenergic, non-cholinergic inhibitory nerves in circular muscle of the rat gastric fundus (231) 103
Shin, Y.W., see Hong, K.W. (231) 1
Shukla, V.K. and Lemaire, S.
Norbinaltorphimine protection against N-methyl-D-aspartic acid-induced convulsions and mortality (231) 293
Sorrentino, L., see Calignano, A. (231) 415
Soubrié, P., see Labie, C. (231) 465
Sperelakis, N., see Satoh, H. (231) 443
Stamatovic, B., see Prinssen, E.P.M. (231) 275
Stamidis, H., see Young, G.A. (231) 473
Steinfels, G.F., see Young, G.A. (231) 473
Stretton, D., see Belvisi, M.G. (231) 97
Stubbins, J.F., see Hudkins, R.L. (231) 485
Sudjarwo, S.A., see Karaki, H. (231) 371
Sugita, S., see Suzuki, S. (231) 297
Sun, B.-C., Huang, K.-X. and Jin, G.-Z.
Repeated reserpine treatment alters firing pattern and responses of substantia nigral dopamine neurons (231) 331
Sunano, S., see Shimamura, K. (231) 103
Suzuki, S., Yoshida, T., Sugita, S., Kobayashi, A. and Nakazawa, K.
Triiodothyronine increases desipramine with changing the concentrations of monoamines, in the brain of rat given imipramine (231) 297
Szarek, J.L., Zhang, J.Z. and Gruetter, C.A.
5-HT_2 receptors augment cholinergic nerve-mediated contraction of rat bronchi (231) 339

Taira, N., see Orito, K. (231) 183
Takai, M., see Karaki, H. (231) 371
Takasaki, K., see Kogo, H. (231) 481
Takayama, S., Furukawa, Y., Ren, L.-M., Inoue, Y., Sawaki, S. and Chiba, S.
Positive chronotropic and inotropic responses to BRL 37344, a β_3-adrenoceptor agonist in isolated, blood-perfused dog atria (231) 315
Takeo, S., see Kogo, H. (231) 481
Takeuchi, H., see Jun Liu, G. (231) 259
Takeuchi, H., see Liu, G.J. (231) 91
Takeuchi, K., Ohuchi, T., Miyake, H., Niki, S. and Okabe, S.
Effects of nitric oxide synthase inhibitors on duodenal alkaline secretion in anesthetized rats (231) 135
Takiguchi, Y., see Hirata, Y. (231) 421
Tanaka, Y., see Mizuguchi, K. (231) 121
Tao, P.-L., Seybold, V.S. and Loh, H.H.
Autoradiographic evidence for decrease in binding of μ- and δ-opioid receptors after subchronic [D-Ala^2,D-Leu^5]enkephalin treatment in rats (231) 145
Taya, K., see Kogo, H. (231) 481
Thomas, K.H., see Boot, J.R. (231) 83
Toda, N., see Shimamura, K. (231) 103
Todd, A., see Boot, J.R. (231) 83
Toll, L., see Webster, J.L. (231) 251

Uematsu, T., see Hirata, Y. (231) 421
Ukai, M., Mori, E. and Kameyama, T.
Cocaine-like discriminative stimulus properties of the δ-selective opioid receptor agonist, [D-Pen^2,L-Pen^5]enkephalin, in the rat (231) 143
Umemura, K., see Hirata, Y. (231) 421
Urade, Y., see Karaki, H. (231) 371

Van Diest, M.J., Verbeuren, T.J. and Herman, A.G.
Vascular interaction between 5-hydroxytryptamine and 15-lipoxygenase metabolites of arachidonic acid (231) 267
Verbeuren, T.J., see Van Diest, M.J. (231) 267

Wada, K., see Hirata, Y. (231) 421
Wagner, M., see Krug, M. (231) 355
Walker, J.M., Bowen, W.D., Patrick, S.L., Williams, W.E., Mascarella, S.W., Bai, X. and Carroll, F.I.
A comparison of (−)-deoxybenzomorphans devoid of opiate activity with their dextrorotatory phenolic counterparts suggests role of σ_2 receptors in motor function (231) 61
Walker, J.M., see Patrick, S.L. (231) 243
Watanabe, G., see Kogo, H. (231) 481
Watanabe, S., see Shibata, S. (231) 381
Webster, J.L., Polgar, W.E., Brandt, S.R., Berzetei-Gurske, I.P. and Toll, L.
Comparison of κ_2-opioid receptors in guinea pig brain and guinea pig ileum membranes (231) 251
Williams, W.E., see Walker, J.M. (231) 61
Wu, P.H., Mihic, S.J., Liu, J.-F., Lê, A.D. and Kalan, H.
Blockade of chronic tolerance to ethanol by the NMDA antagonist, (+)-MK-801 (231) 157

Yagi, H., see Arimura, A. (231) 13
Yano, T., see Mizuguchi, K. (231) 121
Yoshida, T., see Suzuki, S. (231) 297
Young, G.A., Hudson, G.M., Stamidis, H. and Steinfels, G.F.
Interactions between U-50,488H and σ receptor antagonists: EEG, EEG power spectral and behavioral correlates (231) 473
Yu, H., Liu, Y., Hacksell, U. and Lewander, T.
(R)- and (S)-8-acetyl-2-(dipropylamino)tetralin (LY-41): two novel 5-HT_{1A} receptor agonists (231) 69

Zeise, M.L., Kasparov, S., Capogna, M. and Zieglgänsberger, W.
Acamprosate (calciumacetylhomotaurinate) decreases postsynaptic potentials in the rat neocortex: possible involvement of excitatory amino acid receptors (231) 47
Zhang, J.Z., see Szarek, J.L. (231) 339
Zheng, Z., see Chan, P. (231) 175
Zieglgänsberger, W., see Zeise, M.L. (231) 47

European Journal of Pharmacology, 231 (1993) 493–504
© 1993 Elsevier Science Publishers B.V. All rights reserved 0014-2999/93/$06.00

Key word index

Acamprosate (calciumacetylhomotaurinate)
Excitatory amino acids; GABA (γ-aminobutyric acid); Neocortex; Postsynaptic potentials; Neurotransmission (Zeise, M.L. (231) 47)

Acetylcholine
Somatostatin; 2-Deoxyglucose; Cerebral cortex; Hippocampus; Acetylcholine receptors (Shibata, S. (231) 381)

Acetylcholine receptors
Somatostatin; 2-Deoxyglucose; Cerebral cortex; Hippocampus; Acetylcholine (Shibata, S. (231) 381)

Acetylcholine release
Ca^{2+}; Cetiedil; Cholinergic synapses; Mediatophore; (*Torpedo marmorata* synaptosomes) (Moulian, N. (231) 407)

Achatin-I
D-Amino acid residue; Molluscan peptide; 5-HT (5-hydroxytryptamine, serotonin); Modulatory effects; Voltage clamp; Neurons; (Snail) (Jun Liu, G. (231) 259)

Adenosine
Antinociception; Adenosine receptors; Sensory neuropeptides; Capsaicin (Santicioli, P. (231) 139)

Adenosine A_2 receptor-mediated vasodilatation; K^+ channels (ATP-sensitive); 8-Phenyltheophylline; Glibenclamide (Orito, K. (231) 183)

Adenosine A_2 receptor-mediated vasodilatation
Adenosine; K^+ channels (ATP-sensitive); 8-Phenyltheophylline; Glibenclamide (Orito, K. (231) 183)

Adenosine receptors
Adenosine; Antinociception; Sensory neuropeptides; Capsaicin (Santicioli, P. (231) 139)

ADP
Thrombosis; Thromboxane A_2; PAF (platelet-activating factor, PAF-acether); Thrombin; (Guinea-pig) (Hirata, Y. (231) 421)

α_1-Adrenoceptor antagonists
Ca^{2+} channel antagonists; Aorta (rat); Aporphines; Phosphodiesterase inhibitors (Ivorra, M.D. (231) 165)

β-Adrenoceptors
Eosinophils; Respiratory burst; Salmeterol; Eformoterol; Salbutamol (Rabe, K.F. (231) 305)

β_3-Adrenoceptors
BRL 37344; Chronotropism; Inotropism; Heart (dog) (Takayama, S. (231) 315)

Aging
NMDA receptors; Glycine; D-Cycloserine; Noradrenaline release; Glycine uptake (Pittaluga, A. (231) 129)

Airway microvascular leakage
Allergen; Bradykinin; CP-96,345; NK_1 receptors; Substance P (Sakamoto, T. (231) 31)

AJ-2615
Ca^{2+} channel antagonists; Ion channels; (Neurons); (Snail) (Liu, G.J. (231) 91)

Allergen
Bradykinin; CP-96,345; Airway microvascular leakage; NK_1 receptors; Substance P (Sakamoto, T. (231) 31)

Almitrine
Raubasine; Middle cerebral artery; Ischemia; Penumbra; (Cat) (Chan, P. (231) 175)

D-Amino acid residue
Achatin-I; Molluscan peptide; 5-HT (5-hydroxytryptamine, serotonin); Modulatory effects; Voltage clamp; Neurons; (Snail) (Jun Liu, G. (231) 259)

AMPA (α-amino-3-hydroxy-5-methyl-4-isoxazole propionate)
Norbinaltorphimine; NMDA (N-methyl-D-aspartate); Convulsion; Mortality (Shukla, V.K. (231) 293)

AMPA receptor antagonists
DBA/2 mice; Aniracetam; NBQX (2,3-dihydroxy-6-nitro-7-sulfamoylbenzo(F)quinoxaline); GYKI 52466 (1-(4-aminophenyl)-4-methyl-7,8-methylenedioxy-5H-2,3-benzodiazepine · HCl); CPPene (D(−)-(E)-4-(3-phosphonoprop-2-enyl) piperazine-2-carboxylic acid) (Chapman, A.G. (231) 301)

Aniracetam
DBA/2 mice; AMPA receptor antagonists; NBQX (2,3-dihydroxy-6-nitro-7-sulfamoylbenzo(F)quinoxaline); GYKI 52466 (1-(4-aminophenyl)-4-methyl-7,8-methylenedioxy-5H-2,3-benzodiazepine · HCl); CPPene (D(−)-(E)-4-(3-phosphonoprop-2-enyl) piperazine-2-carboxylic acid) (Chapman, A.G. (231) 301)

Antidepressants
5-HT (5-hydroxytryptamine, serotonin); $5\text{-}HT_{1C}$ receptors; $5\text{-}HT_{1A}$ receptors; (Rat) (Jenck, F. (231) 223)

Antinociception
Adenosine; Adenosine receptors; Sensory neuropeptides; Capsaicin (Santicioli, P. (231) 139)

Shock titration; Opioid peptides; Rhesus monkey; SC-39566 (Hammond, D.L. (231) 281)

Antipsychotics
SR 31742A; Neurotensin; σ Receptor ligands (Labie, C. (231) 465)

Anxiolysis
Ipsapirone; DOI (1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane); $5\text{-}HT_{1A}$ receptors; $5\text{-}HT_2$ receptors; Glucose; Corticosterone; Prolactin; Behaviour (Baudrie, V. (231) 395)

Aorta (rat)
Ca^{2+} channel antagonists; α_1-Adrenoceptor antagonists; Aporphines; Phosphodiesterase inhibitors (Ivorra, M.D. (231) 165)

Smooth muscle (vascular); Endothelium (vascular); EDRF (endothelium-derived relaxing factor); Endothelins; ET_B receptors; ET_B receptor antagonists; IRL 1038 (Karaki, H. (231) 371)

S312; Dihydrothienopyridine; Cerebral microvessels (rat); Dihydropyridine binding site; Phenylalkylamine binding site (Dessy, C. (231) 435)

Aporphines
Ca^{2+} channel antagonists; α_1-Adrenoceptor antagonists; Aorta (rat); Phosphodiesterase inhibitors (Ivorra, M.D. (231) 165)

Atherosclerosis
Contractions; 5-HT (5-hydroxytryptamine, serotonin); Lipoxygenase products; Blood vessels; (Interaction) (Van Diest, M.J. (231) 267)

ATP transmission
σ Receptor ligands; Neurogenic twitch contraction; Benzomorphan-type σ receptor; Vas deferens (mouse); Brain (guinea-pig); SK&F 10,047 (N-allylnormetazocine); Rimcazole; Haloperidol (Matsuno, K. (231) 451)

Autonomic nerves
ω-Conotoxin GVIA; Ca^{2+} channels (voltage-sensitive); *Hololena curta* venom; Funnel web spider toxin; Neurotransmitter release (Lundy, P.M. (231) 197)

Autoradiography
Tolerance; DADLE ([D-Ala^2,D-Leu^5]enkephalin); Opioid receptors; (Rat) (Tao, P.-L. (231) 145)

Dopamine receptors; Stereotypies; Behavioral supersensitivity (Marin, C. (231) 191)

Avoidance behaviour
MK-801; Ketamine; Methamphetamine; Ceruletide; Cholecystokinin-like decapeptide; Dopamine release (Kuribara, H. (231) 7)

BDF 9148
DPI 201-106; Positive inotropy; (Enantiomers) (Hoey, A. (231) 477)

Behavioral supersensitivity
Dopamine receptors; Stereotypies; Autoradiography (Marin, C. (231) 191)

Behaviour
Ipsapirone; DOI (1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane); $5\text{-}HT_{1A}$ receptors; $5\text{-}HT_2$ receptors; Anxiolysis; Glucose; Corticosterone; Prolactin (Baudrie, V. (231) 395)

Benzomorphan-type σ receptor
σ Receptor ligands; Neurogenic twitch contraction; ATP transmission; Vas deferens (mouse); Brain (guinea-pig); SK&F 10,047 (N-allylnormetazocine); Rimcazole; Haloperidol (Matsuno, K. (231) 451)

Bicarbonate secretion
Neuropeptide Y (NPY); σ Receptors; CCK (cholecystokinin); Duodenum; (Rat) (Pascaud, X.B. (231) 389)

Big endothelin-1
Endothelin-converting enzyme; Big endothelin-3; Phosphoramidon; Endothelin; Hemodynamics; (Rat) (Pollock, D.M. (231) 459)

Big endothelin-3
Endothelin-converting enzyme; Big endothelin-1; Phosphoramidon; Endothelin; Hemodynamics; (Rat) (Pollock, D.M. (231) 459)

Blood-brain barrier
Tryptophan; $5\text{-}HT_{1C}$ /$5\text{-}HT_2$ receptors; Sympathetic nervous system; Immobilization stress (Chaouloff, F. (231) 77)

Blood pressure
Spontaneously hypertensive rat (SHR); Imipramine; Clonidine; Centhaquin; Central nervous system (CNS); 5-HT uptake sites (Gulati, A. (231) 151)

Blood vessels
Contractions; 5-HT (5-hydroxytryptamine, serotonin); Lipoxygenase products; Atherosclerosis; (Interaction) (Van Diest, M.J. (231) 267)

Bradykinin
Allergen; CP-96,345; Airway microvascular leakage; NK_1 receptors; Substance P (Sakamoto, T. (231) 31)

Brain (guinea-pig)
σ Receptor ligands; Neurogenic twitch contraction; Benzomorphan-type σ receptor; ATP transmission; Vas deferens (mouse); SK&F 10,047 (N-allylnormetazocine); Rimcazole; Haloperidol (Matsuno, K. (231) 451)

Bremazocine
κ-Opioid receptors; Dynorphin; Ileum (guinea-pig) (Webster, J.L. (231) 251)

BRL 37344
β_3-Adrenoceptors; Chronotropism; Inotropism; Heart (dog) (Takayama, S. (231) 315)

Bronchial hyperresponsiveness
S-1452 (calcium (1R,2S,3S,4S)-(5Z)-7-(((phenylsulfonyl)amino)bicyclo[2.2.1]hept-2-yl)hept-5-enoate dihydrate); Thromboxane A_2; Lipopolysaccharide; TNF (tumor necrosis factor) (Arimura, A. (231) 13)

Bronchi (rat)
5-HT (5-hydroxytryptamine, serotonin); α-Methyl-5-hydroxytryptamine; $5\text{-}HT_2$ receptors; Ketanserin; Mianserin; Spiperone; Electrical field stimulation; Cholinergic nerves (Szarek, J.L. (231) 339)

Ca^{2+}
Acetylcholine release; Cetiedil; Cholinergic synapses; Mediatophore; (*Torpedo marmorata* synaptosomes) (Moulian, N. (231) 407)

Ca^{2+} channel antagonists
AJ-2615; Ion channels; (Neurons); (Snail) (Liu, G.J. (231) 91)

α_1-Adrenoceptor antagonists; Aorta (rat); Aporphines; Phosphodiesterase inhibitors (Ivorra, M.D. (231) 165)

Ca^{2+} channels (L-type)
Taurine; Ca^{2+} channels (T-type); Cardiac myocytes; Heart cells (embryonic chick); Voltage clamp (whole cell); Electrophysiology (Satoh, H. (231) 443)

Ca^{2+} channels (T-type)
Taurine; Ca^{2+} channels (L-type); Cardiac myocytes; Heart cells (embryonic chick); Voltage clamp (whole cell); Electrophysiology (Satoh, H. (231) 443)

Ca^{2+} channels (voltage-sensitive)
ω-Conotoxin GVIA; *Hololena curta* venom; Funnel web spider toxin; Neurotransmitter release; Autonomic nerves (Lundy, P.M. (231) 197)

Cannabinoids
Tetrahydrocannabinol; Marihuana (Fride, E. (231) 313)

Capsaicin
Adenosine; Antinociception; Adenosine receptors; Sensory neuropeptides (Santicioli, P. (231) 139)

Caramiphen
Iodocaramiphen; Nitrocaramiphen: Muscarinic receptor antagonists; Muscarinic M_1 receptors; (Rat) (Hudkins, R.L. (231) 485)

Carbachol
Pertussis toxin; Morphine; Substance P; Quinpirole; U-50,488H (Bot, G. (231) 53)

5-Carboxamidotryptamine
Vascular 5-HT_1-like receptors; 5-HT (5-hydroxytryptamine, serotonin); (Effect of pre-contraction) (Choppin, A. (231) 469)

Cardiac myocytes
Taurine; Ca^{2+} channels (L-type); Ca^{2+} channels (T-type); Heart cells (embryonic chick); Voltage clamp (whole cell); Electrophysiology (Satoh, H. (231) 443)

Carrageenan
Oedema; Ph CL28A; Pleurisy; Prostacyclin; Thromboxane (Santana, A.C. (231) 237)

CCK (cholecystokinin)
Neuropeptide Y (NPY); σ Receptors; Bicarbonate secretion; Duodenum; (Rat) (Pascaud, X.B. (231) 389)

Centhaquin
Spontaneously hypertensive rat (SHR); Imipramine; Clonidine; Blood pressure; Central nervous system (CNS); 5-HT uptake sites (Gulati, A. (231) 151)

Central nervous system (CNS)
Spontaneously hypertensive rat (SHR); Imipramine; Clonidine; Centhaquin; Blood pressure; 5-HT uptake sites (Gulati, A. (231) 151)

Cerebral cortex
Somatostatin; 2-Deoxyglucose; Hippocampus; Acetylcholine; Acetylcholine receptors (Shibata, S. (231) 381)

Cerebral microvessels (rat)
S312; Dihydrothienopyridine; Aorta (rat); Dihydropyridine binding site; Phenylalkylamine binding site (Dessy, C. (231) 435)

Ceruletide
MK-801; Ketamine; Methamphetamine; Cholecystokinin-like decapeptide; Dopamine release; Avoidance behaviour (Kuribara, H. (231) 7)

Cetiedil
Acetylcholine release; Ca^{2+}; Cholinergic synapses; Mediatophore; (*Torpedo marmorata* synaptosomes) (Moulian, N. (231) 407)

Chlorpromazine
Soleus muscle; Extensor digitorum longus muscle; Myotonic depression (Liu, S.-H. (231) 23)

Cholecystokinin-like decapeptide
MK-801; Ketamine; Methamphetamine; Ceruletide; Dopamine release; Avoidance behaviour (Kuribara, H. (231) 7)

Cholesterol metabolism
EPA-E (ethyl all-cis-5,8,11,14,17-icosapentaenoate); (Rat) (Mizuguchi, K. (231) 121)

Cholinergic nerves
5-HT (5-hydroxytryptamine, serotonin); α-Methyl-5-hydroxytryptamine; Bronchi (rat); 5-HT_2 receptors; Ketanserin; Mianserin; Spiperone; Electrical field stimulation (Szarek, J.L. (231) 339)

Cholinergic neurotransmission
VIP (vasoactive intestinal polypeptide); Nitric oxide (NO); Inhibitory non-adrenergic non-cholinergic (i-NANC); Electrical field stimulation (Belvisi, M.G. (231) 97)

Cholinergic synapses
Acetylcholine release; Ca^{2+}; Cetiedil; Mediatophore; (*Torpedo marmorata* synaptosomes) (Moulian, N. (231) 407)

Chronotropism
BRL 37344; β_3-Adrenoceptors; Inotropism; Heart (dog) (Takayama, S. (231) 315)

Cilia
Maxillary sinus; Mucociliary activity; Phosphoramidon; Tachykinins; Tachykinin receptors; (Rabbit) (Lindberg, S. (231) 375)

Clonidine
Spontaneously hypertensive rat (SHR); Imipramine; Centhaquin; Blood pressure; Central nervous system (CNS); 5-HT uptake sites (Gulati, A. (231) 151)

Cocaine
[D-Pen^2,L-Pen^5]enkephalin; Naltrindole (Ukai, M. (231) 143)

Codeine
Dentate gyrus; Field potentials; Long-term potentiation; NMDA receptors; Dextromethorphan; Methadone; Normethadone; MK 801 (Krug, M. (231) 355)

Complement
Zymosan; PAF (platelet-activating factor, PAF-acether); WEB 2086; SM-12502; Plasma leakage (Damas, J. (231) 231)

ω-Conotoxin GVIA
Ca^{2+} channels (voltage-sensitive); *Hololena curta* venom; Funnel web spider toxin; Neurotransmitter release; Autonomic nerves (Lundy, P.M. (231) 197)

Contractions
5-HT (5-hydroxytryptamine, serotonin); Lipoxygenase products; Atherosclerosis; Blood vessels; (Interaction) (Van Diest, M.J. (231) 267)

Convulsion
Norbinaltorphimine; NMDA (N-methyl-D-aspartate); AMPA (α-amino-3-hydroxy-5-methyl-4-isoxazole propionate); Mortality (Shukla, V.K. (231) 293)

Cortex
5-HT (5-hydroxytryptamine, serotonin); NMDA (N-methyl-D-aspartate); Transmitter interaction (Rahman, S. (231) 347)

Corticosterone
Ipsapirone; DOI (1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane); 5-HT_{1A} receptors; 5-HT_2 receptors; Anxiolysis; Glucose; Prolactin; Behaviour (Baudrie, V. (231) 395)

Coupling mechanism
$GABA_B$ receptors; Hippocampus (Potier, B. (231) 427)

CP-96,345
Allergen; Bradykinin; Airway microvascular leakage; NK_1 receptors; Substance P (Sakamoto, T. (231) 31)

CPPene (D(−)-(E)-4-(3-phosphonoprop-2-enyl) piperazine-2-carboxylic acid)
DBA/2 mice; Aniracetam; AMPA receptor antagonists; NBQX (2,3-dihydroxy-6-nitro-7-sulfamoylbenzo(F)quinoxaline); GYKI 52466 (1-(4-aminophenyl)-4-methyl-7,8-methylenedioxy-5H-2,3-benzodiazepine·HCl) (Chapman, A.G. (231) 301)

Cromakalim
Na^+,K^+ ATPase pump; K^+ channels; Smooth muscle (vascular) (Hong, K.W. (231) 1)

KRN2391; Heart (isolated, rat); Myocardial ischemia; Energy metabolism (Ohta, H. (231) 323)

D-Cycloserine
Aging; NMDA receptors; Glycine; Noradrenaline release; Glycine uptake (Pittaluga, A. (231) 129)

DADLE ([D-Ala^2,D-Leu^5]enkephalin)
Tolerance; Opioid receptors; Autoradiography; (Rat) (Tao, P.-L. (231) 145)

DBA/2 mice
Aniracetam; AMPA receptor antagonists; NBQX (2,3-dihydroxy-6-nitro-7-sulfamoylbenzo(F)quinoxaline); GYKI 52466 (1-(4-aminophenyl)-4-methyl-7,8-methylenedioxy-5H-2,3-benzodiazepine·HCl); CPPene (D(−)-(E)-4-(3-phosphonoprop-2-enyl) piperazine-2-carboxylic acid) (Chapman, A.G. (231) 301)

Dentate gyrus
Field potentials; Long-term potentiation; NMDA receptors; Dextromethorphan; Methadone; Codeine; Normethadone; MK 801 (Krug, M. (231) 355)

2-Deoxyglucose
Somatostatin; Cerebral cortex; Hippocampus; Acetylcholine; Acetylcholine receptors (Shibata, S. (231) 381)

Desipramine
Imipramine; Norepinephrine; 5-HT (5-hydroxytryptamine, serotonin); Triiodothyronine (Suzuki, S. (231) 297)

Dextromethorphan
Dentate gyrus; Field potentials; Long-term potentiation; NMDA receptors; Methadone; Codeine; Normethadone; MK 801 (Krug, M. (231) 355)

Dihydropyridine binding site
S312; Dihydrothienopyridine; Aorta (rat); Cerebral microvessels (rat); Phenylalkylamine binding site (Dessy, C. (231) 435)

Dihydrothienopyridine
S312; Aorta (rat); Cerebral microvessels (rat); Dihydropyridine binding site; Phenylalkylamine binding site (Dessy, C. (231) 435)

DOI (1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane)
Ipsapirone; 5-HT_{1A} receptors; 5-HT_2 receptors; Anxiolysis; Glucose; Corticosterone; Prolactin; Behaviour (Baudrie, V. (231) 395)

Dopamine
Dystonia; Phenobarbital; GABA (γ-aminobutyric acid); Glutamate; Haloperidol (Richter, A. (231) 111)

Microdialysis; Ethanol reinforcement; Tolerance (Rossetti, Z.L. (231) 203)

σ Receptor ligands; Microdialysis; Vacuous chewing; DTG (1,3-di-o-tolylguanidine); (+)-Pentazocine (Patrick, S.L. (231) 243)

Dopamine neurons
Reserpine; Substantia nigra pars compacta; Dopamine receptor agonists; Firing pattern; Single-unit recording; Supersensitivity (Sun, B.-C. (231) 331)

Dopamine receptor agonists
Reserpine; Substantia nigra pars compacta; Dopamine neurons; Firing pattern; Single-unit recording; Supersensitivity (Sun, B.-C. (231) 331)

Dopamine receptors
Stereotypies; Behavioral supersensitivity; Autoradiography (Marin, C. (231) 191)

Dopamine D_1 receptors
Paw test; SCH 39166; Raclopride; Haloperidol; Dopamine D_2 receptors (Prinssen, E.P.M. (231) 275)

Dopamine D_2 receptors
Paw test; SCH 39166; Raclopride; Haloperidol; Dopamine D_1 receptors (Prinssen, E.P.M. (231) 275)

Dopamine release
MK-801; Ketamine; Methamphetamine; Ceruletide; Cholecystokinin-like decapeptide; Avoidance behaviour (Kuribara, H. (231) 7)

DPI 201-106
BDF 9148; Positive inotropy; (Enantiomers) (Hoey, A. (231) 477)

DTG (1,3-di-o-tolylguanidine)
σ Receptor ligands; Dopamine; Microdialysis; Vacuous chewing; (+)-Pentazocine (Patrick, S.L. (231) 243)

Duodenum
Neuropeptide Y (NPY); σ Receptors; CCK (cholecystokinin); Bicarbonate secretion; (Rat) (Pascaud, X.B. (231) 389)

Duodenum (rat)
Nitric oxide (NO); NO synthase inhibitors; L-NAME (N^G-nitro-L-arginine methyl ester); HCO_3^- secretion (Takeuchi, K. (231) 135)

DuPont Merck S-7389-4
U-50,488H; Rimcazole; κ-Opioid agonists; σ Receptor antagonists; EEG power spectra (Young, G.A. (231) 473)

Dynorphin
κ-Opioid receptors; Bremazocine; Ileum (guinea-pig) (Webster, J.L. (231) 251)

Dystonia
Phenobarbital; Dopamine; GABA (γ-aminobutyric acid); Glutamate; Haloperidol (Richter, A. (231) 111)

Glutamate; Probenecid (Richter, A. (231) 287)

EDRF (endothelium-derived relaxing factor)
Renal arteries; Ischemia; Renal hemodynamics; (Rabbit) (Pruneau, D. (231) 215)

Smooth muscle (vascular); Endothelium (vascular); Endothelins; ET_B receptors; ET_B receptor antagonists; IRL 1038; Aorta (rat) (Karaki, H. (231) 371)

EEG power spectra
U-50,488H; Rimcazole; DuPont Merck S-7389-4; κ-Opioid agonists; σ Receptor antagonists (Young, G.A. (231) 473)

Eformoterol
Eosinophils; Respiratory burst; Salmeterol; Salbutamol; β-Adrenoceptors (Rabe, K.F. (231) 305)

Electrical field stimulation
VIP (vasoactive intestinal polypeptide); Nitric oxide (NO); Cholinergic neurotransmission; Inhibitory non-adrenergic non-cholinergic (i-NANC) (Belvisi, M.G. (231) 97)

5-HT (5-hydroxytryptamine, serotonin); α-Methyl-5-hydroxytryptamine; Bronchi (rat); $5\text{-}HT_2$ receptors; Ketanserin; Mianserin; Spiperone; Cholinergic nerves (Szarek, J.L. (231) 339)

Electrophysiology
Taurine; Ca^{2+} channels (L-type); Ca^{2+} channels (T-type); Cardiac myocytes; Heart cells (embryonic chick); Voltage clamp (whole cell) (Satoh, H. (231) 443)

Endothelin
Endothelin-converting enzyme; Big endothelin-1; Big endothelin-3; Phosphoramidon; Hemodynamics; (Rat) (Pollock, D.M. (231) 459)

Endothelin-converting enzyme
Big endothelin-1; Big endothelin-3; Phosphoramidon; Endothelin; Hemodynamics; (Rat) (Pollock, D.M. (231) 459)

Endothelins
Smooth muscle (vascular); Endothelium (vascular); EDRF (endothelium-derived relaxing factor); ET_B receptors; ET_B receptor antagonists; IRL 1038; Aorta (rat) (Karaki, H. (231) 371)

Endothelium (vascular)
Smooth muscle (vascular); EDRF (endothelium-derived relaxing factor); Endothelins; ET_B receptors; ET_B receptor antagonists; IRL 1038; Aorta (rat) (Karaki, H. (231) 371)

Energy metabolism
KRN2391; Cromakalim; Heart (isolated, rat); Myocardial ischemia (Ohta, H. (231) 323)

[D-Pen^2,L-Pen^5]enkephalin
Cocaine; Naltrindole (Ukai, M. (231) 143)

Eosinophils
Respiratory burst; Salmeterol; Eformoterol; Salbutamol; β-Adrenoceptors (Rabe, K.F. (231) 305)

EPA-E (ethyl all-cis-5,8,11,14,17-icosapentaenoate)
Cholesterol metabolism; (Rat) (Mizuguchi, K. (231) 121)

Ethanol
(+)-MK-801; Tolerance; (Rat) (Wu, P.H. (231) 157)

Ethanol reinforcement
Dopamine; Microdialysis; Tolerance (Rossetti, Z.L. (231) 203)

ET_B receptor antagonists
Smooth muscle (vascular); Endothelium (vascular); EDRF (endothelium-derived relaxing factor); Endothelins; ET_B receptors; IRL 1038; Aorta (rat) (Karaki, H. (231) 371)

ET_B receptors
Smooth muscle (vascular); Endothelium (vascular); EDRF (endothelium-derived relaxing factor); Endothelins; ET_B receptor antagonists; IRL 1038; Aorta (rat) (Karaki, H. (231) 371)

Excitatory amino acids
Acamprosate (calciumacetylhomotaurinate); GABA (γ-aminobutyric acid); Neocortex; Postsynaptic potentials; Neurotransmission (Zeise, M.L. (231) 47)

Extensor digitorum longus muscle
Chlorpromazine; Soleus muscle; Myotonic depression (Liu, S.-H. (231) 23)

Field potentials
Dentate gyrus; Long-term potentiation; NMDA receptors; Dextromethorphan; Methadone; Codeine; Normethadone; MK 801 (Krug, M. (231) 355)

Firing pattern
Reserpine; Substantia nigra pars compacta; Dopamine neurons; Dopamine receptor agonists; Single-unit recording; Supersensitivity (Sun, B.-C. (231) 331)

Food intake
Nitric oxide (NO); Morphine-induced locomotion; Morphine (Calignano, A. (231) 415)

Funnel web spider toxin
ω-Conotoxin GVIA; Ca^{2+} channels (voltage-sensitive); *Hololena curta* venom; Neurotransmitter release; Autonomic nerves (Lundy, P.M. (231) 197)

GABA (γ-aminobutyric acid)
Acamprosate (calciumacetylhomotaurinate); Excitatory amino acids; Neocortex; Postsynaptic potentials; Neurotransmission (Zeise, M.L. (231) 47)

Dystonia; Phenobarbital; Dopamine; Glutamate; Haloperidol (Richter, A. (231) 111)

$GABA_B$ receptors
Hippocampus; Coupling mechanism (Potier, B. (231) 427)

Gallopamil
Ventricular arrhythmia; (Triggered activity); (Plasma concentration) (Matsuzaki, T. (231) 363)

Glibenclamide
Adenosine; Adenosine A_2 receptor-mediated vasodilatation; K^+ channels (ATP-sensitive); 8-Phenyltheophylline (Orito, K. (231) 183)

Glucose
Ipsapirone; DOI (1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane); $5\text{-}HT_{1A}$ receptors; $5\text{-}HT_2$ receptors; Anxiolysis; Corticosterone; Prolactin; Behaviour (Baudrie, V. (231) 395)

Glutamate
Dystonia; Phenobarbital; Dopamine; GABA (γ-aminobutyric acid); Haloperidol (Richter, A. (231) 111)

Dystonia; Probenecid (Richter, A. (231) 287)

Glycine
Aging; NMDA receptors; D-Cycloserine; Noradrenaline release; Glycine uptake (Pittaluga, A. (231) 129)

Glycine uptake
Aging; NMDA receptors; Glycine; D-Cycloserine; Noradrenaline release (Pittaluga, A. (231) 129)

Gonadotrophin
Inhibin; Oestradiol-17β; Ovarian hormones; Prostaglandin $F_{2\alpha}$; Indomethacin (Kogo, H. (231) 481)

GYKI 52466 (1-(4-aminophenyl)-4-methyl-7,8-methylenedioxy-5H-2,3-benzodiazepine · HCl)
DBA/2 mice; Aniracetam; AMPA receptor antagonists; NBQX (2,3-dihydroxy-6-nitro-7-sulfamoylbenzo(F)quinoxaline); CPPene (D(−)-(E)-4-(3-phosphonoprop-2-enyl) piperazine-2-carboxylic acid) (Chapman, A.G. (231) 301)

Haloperidol
Dystonia; Phenobarbital; Dopamine; GABA (γ-aminobutyric acid); Glutamate (Richter, A. (231) 111)

Paw test; SCH 39166; Raclopride; Dopamine D_1 receptors; Dopamine D_2 receptors (Prinssen, E.P.M. (231) 275)

σ Receptor ligands; Neurogenic twitch contraction; Benzomorphan-type σ receptor; ATP transmission; Vas deferens (mouse); Brain (guinea-pig); SK&F 10,047 (N-allylnormetazocine); Rimcazole (Matsuno, K. (231) 451)

HCO_3^- secretion
Nitric oxide (NO); NO synthase inhibitors; L-NAME (N^G-nitro-L-arginine methyl ester); Duodenum (rat) (Takeuchi, K. (231) 135)

Heart cells (embryonic chick)
Taurine; Ca^{2+} channels (L-type); Ca^{2+} channels (T-type); Cardiac myocytes; Voltage clamp (whole cell); Electrophysiology (Satoh, H. (231) 443)

Heart (dog)
BRL 37344; β_3-Adrenoceptors; Chronotropism; Inotropism (Takayama, S. (231) 315)

Heart (isolated, rat)
KRN2391; Cromakalim; Myocardial ischemia; Energy metabolism (Ohta, H. (231) 323)

Hemodynamics
Endothelin-converting enzyme; Big endothelin-1; Big endothelin-3; Phosphoramidon; Endothelin; (Rat) (Pollock, D.M. (231) 459)

Hippocampus
Somatostatin; 2-Deoxyglucose; Cerebral cortex; Acetylcholine; Acetylcholine receptors (Shibata, S. (231) 381)

$GABA_B$ receptors; Coupling mechanism (Potier, B. (231) 427)

***Hololena curta* venom**
ω-Conotoxin GVIA; Ca^{2+} channels (voltage-sensitive); Funnel web spider toxin; Neurotransmitter release; Autonomic nerves (Lundy, P.M. (231) 197)

5-HT (5-hydroxytryptamine, serotonin)
Antidepressants; $5\text{-}HT_{1C}$ receptors; $5\text{-}HT_{1A}$ receptors; (Rat) (Jenck, F. (231) 223)

Achatin-I; D-Amino acid residue; Molluscan peptide; Modulatory effects; Voltage clamp; Neurons; (Snail) (Jun Liu, G. (231) 259)

Contractions; Lipoxygenase products; Atherosclerosis; Blood vessels; (Interaction) (Van Diest, M.J. (231) 267)

Imipramine; Desipramine; Norepinephrine; Triiodothyronine (Suzuki, S. (231) 297)

α-Methyl-5-hydroxytryptamine; Bronchi (rat); $5\text{-}HT_2$ receptors; Ketanserin; Mianserin; Spiperone; Electrical field stimulation; Cholinergic nerves (Szarek, J.L. (231) 339)

NMDA (N-methyl-D-aspartate); Cortex; Transmitter interaction (Rahman, S. (231) 347)

Vascular $5\text{-}HT_1$-like receptors; 5-Carboxamidotryptamine; (Effect of pre-contraction) (Choppin, A. (231) 469)

5-HT motor syndrome
$5\text{-}HT_{1A}$ receptor agonists; $5\text{-}HT_{1A}$ receptor antagonists; 8-OH-DPAT derivatives; (S)-UH-301; LY-41 (Yu, H. (231) 69)

$5\text{-}HT_{1A}$ receptor agonists
$5\text{-}HT_{1A}$ receptor antagonists; 8-OH-DPAT derivatives; (S)-UH-301; LY-41; 5-HT motor syndrome (Yu, H. (231) 69)

$5\text{-}HT_{1A}$ receptor antagonists
$5\text{-}HT_{1A}$ receptor agonists; 8-OH-DPAT derivatives; (S)-UH-301; LY-41; 5-HT motor syndrome (Yu, H. (231) 69)

$5\text{-}HT_{1A}$ receptors
Antidepressants; 5-HT (5-hydroxytryptamine, serotonin); $5\text{-}HT_{1C}$ receptors; (Rat) (Jenck, F. (231) 223)

Ipsapirone; DOI (1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane); $5\text{-}HT_2$ receptors; Anxiolysis; Glucose; Corticosterone; Prolactin; Behaviour (Baudrie, V. (231) 395)

$5\text{-}HT_{1C}$/$5\text{-}HT_2$ receptors
Tryptophan; Blood-brain barrier; Sympathetic nervous system; Immobilization stress (Chaouloff, F. (231) 77)

$5\text{-}HT_{1C}$ receptors
Antidepressants; 5-HT (5-hydroxytryptamine, serotonin); $5\text{-}HT_{1A}$ receptors; (Rat) (Jenck, F. (231) 223)

$5\text{-}HT_2$ receptors
5-HT (5-hydroxytryptamine, serotonin); α-Methyl-5-hydroxytryptamine; Bronchi (rat); Ketanserin; Mianserin; Spiperone; Electrical field stimulation; Cholinergic nerves (Szarek, J.L. (231) 339)

Ipsapirone; DOI (1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane); $5\text{-}HT_{1A}$ receptors; Anxiolysis; Glucose; Corticosterone; Prolactin; Behaviour (Baudrie, V. (231) 395)

5-HT uptake sites
Spontaneously hypertensive rat (SHR); Imipramine; Clonidine; Centhaquin; Blood pressure; Central nervous system (CNS) (Gulati, A. (231) 151)

Ileum (guinea-pig)
κ-Opioid receptors; Bremazocine; Dynorphin (Webster, J.L. (231) 251)

Imipramine
Spontaneously hypertensive rat (SHR); Clonidine; Centhaquin; Blood pressure; Central nervous system (CNS); 5-HT uptake sites (Gulati, A. (231) 151)

Desipramine; Norepinephrine; 5-HT (5-hydroxytryptamine, serotonin); Triiodothyronine (Suzuki, S. (231) 297)

Immobilization stress
Tryptophan; 5-HT_{1C} /5-HT_2 receptors; Blood-brain barrier; Sympathetic nervous system (Chaouloff, F. (231) 77)

Indomethacin
Inhibin; Oestradiol-17β; Ovarian hormones; Gonadotrophin; Prostaglandin $F_{2\alpha}$ (Kogo, H. (231) 481)

Inhibin
Oestradiol-17β; Ovarian hormones; Gonadotrophin; Prostaglandin $F_{2\alpha}$; Indomethacin (Kogo, H. (231) 481)

Inhibitory non-adrenergic non-cholinergic (i-NANC)
VIP (vasoactive intestinal polypeptide); Nitric oxide (NO); Cholinergic neurotransmission; Electrical field stimulation (Belvisi, M.G. (231) 97)

Inotropism
BRL 37344; β_3-Adrenoceptors; Chronotropism; Heart (dog) (Takayama, S. (231) 315)

Iodocaramiphen
Caramiphen; Nitrocaramiphen: Muscarinic receptor antagonists; Muscarinic M_1 receptors; (Rat) (Hudkins, R.L. (231) 485)

Ion channels
AJ-2615; Ca^{2+} channel antagonists; (Neurons); (Snail) (Liu, G.J. (231) 91)

Ipsapirone
DOI (1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane); 5-HT_{1A} receptors; 5-HT_2 receptors; Anxiolysis; Glucose; Corticosterone; Prolactin; Behaviour (Baudrie, V. (231) 395)

IRL 1038
Smooth muscle (vascular); Endothelium (vascular); EDRF (endothelium-derived relaxing factor); Endothelins; ET_B receptors; ET_B receptor antagonists; Aorta (rat) (Karaki, H. (231) 371)

Ischemia
Almitrine; Raubasine; Middle cerebral artery; Penumbra; (Cat) (Chan, P. (231) 175)

Renal arteries; EDRF (endothelium-derived relaxing factor); Renal hemodynamics; (Rabbit) (Pruneau, D. (231) 215)

K^+ channels
Cromakalim; Na^+,K^+ ATPase pump; Smooth muscle (vascular) (Hong, K.W. (231) 1)

K^+ channels (ATP-sensitive)
Adenosine; Adenosine A_2 receptor-mediated vasodilatation; 8-Phenyltheophylline; Glibenclamide (Orito, K. (231) 183)

Ketamine
MK-801; Methamphetamine; Ceruletide; Cholecystokinin-like decapeptide; Dopamine release; Avoidance behaviour (Kuribara, H. (231) 7)

Ketanserin
5-HT (5-hydroxytryptamine, serotonin); α-Methyl-5-hydroxytryptamine; Bronchi (rat); 5-HT_2 receptors; Mianserin; Spiperone; Electrical field stimulation; Cholinergic nerves (Szarek, J.L. (231) 339)

KRN2391
Cromakalim; Heart (isolated, rat); Myocardial ischemia; Energy metabolism (Ohta, H. (231) 323)

Leukotriene receptor antagonists
LY290324; (Guinea-pig) (Boot, J.R. (231) 83)

Lipopolysaccharide
S-1452 (calcium (1R,2S,3S,4S)-(5Z)-7-(((phenylsulfonyl)amino)bicyclo[2.2.1]hept-2-yl)hept-5-enoate dihydrate); Thromboxane A_2; TNF (tumor necrosis factor); Bronchial hyperresponsiveness (Arimura, A. (231) 13)

Lipoxygenase products
Contractions; 5-HT (5-hydroxytryptamine, serotonin); Atherosclerosis; Blood vessels; (Interaction) (Van Diest, M.J. (231) 267)

Long-term potentiation
Dentate gyrus; Field potentials; NMDA receptors; Dextromethorphan; Methadone; Codeine; Normethadone; MK 801 (Krug, M. (231) 355)

LY-41
5-HT_{1A} receptor agonists; 5-HT_{1A} receptor antagonists; 8-OH-DPAT derivatives; (S)-UH-301; 5-HT motor syndrome (Yu, H. (231) 69)

LY290324
Leukotriene receptor antagonists; (Guinea-pig) (Boot, J.R. (231) 83)

Marihuana
Cannabinoids; Tetrahydrocannabinol (Fride, E. (231) 313)

Maxillary sinus
Cilia; Mucociliary activity; Phosphoramidon; Tachykinins; Tachykinin receptors; (Rabbit) (Lindberg, S. (231) 375)

Mediatophore
Acetylcholine release; Ca^{2+}; Cetiedil; Cholinergic synapses; (*Torpedo marmorata* synaptosomes) (Moulian, N. (231) 407)

Methadone
Dentate gyrus; Field potentials; Long-term potentiation; NMDA receptors; Dextromethorphan; Codeine; Normethadone; MK 801 (Krug, M. (231) 355)

Methamphetamine
MK-801; Ketamine; Ceruletide; Cholecystokinin-like decapeptide; Dopamine release; Avoidance behaviour (Kuribara, H. (231) 7)

α-Methyl-5-hydroxytryptamine
5-HT (5-hydroxytryptamine, serotonin); Bronchi (rat); 5-HT_2 receptors; Ketanserin; Mianserin; Spiperone; Electrical field stimulation; Cholinergic nerves (Szarek, J.L. (231) 339)

Mianserin
5-HT (5-hydroxytryptamine, serotonin); α-Methyl-5-hydroxytryptamine; Bronchi (rat); 5-HT_2 receptors; Ketanserin; Spiperone; Electrical field stimulation; Cholinergic nerves (Szarek, J.L. (231) 339)

Microdialysis
Dopamine; Ethanol reinforcement; Tolerance (Rossetti, Z.L. (231) 203)

σ Receptor ligands; Dopamine; Vacuous chewing; DTG (1,3-di-o-tolylguanidine); (+)-Pentazocine (Patrick, S.L. (231) 243)

Middle cerebral artery
Almitrine; Raubasine; Ischemia; Penumbra; (Cat) (Chan, P. (231) 175)

MK-801
Ketamine; Methamphetamine; Ceruletide; Cholecystokinin-like decapeptide; Dopamine release; Avoidance behaviour (Kuribara, H. (231) 7)

Dentate gyrus; Field potentials; Long-term potentiation; NMDA receptors; Dextromethorphan; Methadone; Codeine; Normethadone (Krug, M. (231) 355)

(+)-MK-801
Ethanol; Tolerance; (Rat) (Wu, P.H. (231) 157)

Modulatory effects
Achatin-I; D-Amino acid residue; Molluscan peptide; 5-HT (5-hydroxytryptamine, serotonin); Voltage clamp; Neurons; (Snail) (Jun Liu, G. (231) 259)

Molluscan peptide
Achatin-I; D-Amino acid residue; 5-HT (5-hydroxytryptamine, serotonin); Modulatory effects; Voltage clamp; Neurons; (Snail) (Jun Liu, G. (231) 259)

Morphine
Pertussis toxin; Substance P; Quinpirole; Carbachol; U-50,488H (Bot, G. (231) 53)

Nitric oxide (NO); Morphine-induced locomotion; Food intake (Calignano, A. (231) 415)

Morphine-induced locomotion
Nitric oxide (NO); Morphine; Food intake (Calignano, A. (231) 415)

Mortality
Norbinaltorphimine; NMDA (N-methyl-D-aspartate); AMPA (α-amino-3-hydroxy-5-methyl-4-isoxazole propionate); Convulsion (Shukla, V.K. (231) 293)

Movement
Normetazocine; σ Receptors; Substantia nigra; Naloxone; Opiates (Walker, J.M. (231) 61)

Mucociliary activity
Cilia; Maxillary sinus; Phosphoramidon; Tachykinins; Tachykinin receptors; (Rabbit) (Lindberg, S. (231) 375)

Muscarinic M_1 receptors
Caramiphen; Iodocaramiphen; Nitrocaramiphen: Muscarinic receptor antagonists; (Rat) (Hudkins, R.L. (231) 485)

Myocardial ischemia
KRN2391; Cromakalim; Heart (isolated, rat); Energy metabolism (Ohta, H. (231) 323)

Myotonic depression
Chlorpromazine; Soleus muscle; Extensor digitorum longus muscle (Liu, S.-H. (231) 23)

Na^+,K^+ ATPase pump
Cromakalim; K^+ channels; Smooth muscle (vascular) (Hong, K.W. (231) 1)

Naloxone
Normetazocine; σ Receptors; Substantia nigra; Movement; Opiates (Walker, J.M. (231) 61)

Naltrindole
Cocaine; [D-Pen^2,L-Pen^5]enkephalin (Ukai, M. (231) 143)

L-NAME (N^G-nitro-L-arginine methyl ester)
Nitric oxide (NO); NO synthase inhibitors; HCO_3^- secretion; Duodenum (rat) (Takeuchi, K. (231) 135)

NBQX (2,3-dihydroxy-6-nitro-7-sulfamoylbenzo(F)quinoxaline)
DBA/2 mice; Aniracetam; AMPA receptor antagonists; GYKI 52466 (1-(4-aminophenyl)-4-methyl-7,8-methylenedioxy-5H-2,3-benzodiazepine·HCl); CPPene (D(−)-(E)-4-(3-phosphonoprop-2-enyl) piperazine-2-carboxylic acid) (Chapman, A.G. (231) 301)

Neocortex
Acamprosate (calciumacetylhomotaurinate); Excitatory amino acids; GABA (γ-aminobutyric acid); Postsynaptic potentials; Neurotransmission (Zeise, M.L. (231) 47)

Neurogenic twitch contraction
σ Receptor ligands; Benzomorphan-type σ receptor; ATP transmission; Vas deferens (mouse); Brain (guinea-pig); SK&F 10,047 (N-allylnormetazocine); Rimcazole; Haloperidol (Matsuno, K. (231) 451)

Neurons
Achatin-I; D-Amino acid residue; Molluscan peptide; 5-HT (5-hydroxytryptamine, serotonin); Modulatory effects; Voltage clamp; (Snail) (Jun Liu, G. (231) 259)

Neuropeptide Y (NPY)
σ Receptors; CCK (cholecystokinin); Bicarbonate secretion; Duodenum; (Rat) (Pascaud, X.B. (231) 389)

Neurotensin
Xenopsin; Self-stimulation; Prefrontal cortex (Ferrer, J.M.R. (231) 39)

SR 31742A; σ Receptor ligands; Antipsychotics (Labie, C. (231) 465)

Neurotransmission
Acamprosate (calciumacetylhomotaurinate); Excitatory amino acids; GABA (γ-aminobutyric acid); Neocortex; Postsynaptic potentials (Zeise, M.L. (231) 47)

Neurotransmitter release
ω-Conotoxin GVIA; Ca^{2+} channels (voltage-sensitive); *Hololena curta* venom; Funnel web spider toxin; Autonomic nerves (Lundy, P.M. (231) 197)

Nitric oxide (NO)
VIP (vasoactive intestinal polypeptide); Cholinergic neurotransmission; Inhibitory non-adrenergic non-cholinergic (i-NANC); Electrical field stimulation (Belvisi, M.G. (231) 97)

Non-adrenergic, non-cholinergic (NANC) transmission; Stomach (rat) (Shimamura, K. (231) 103)

NO synthase inhibitors; L-NAME (N^G-nitro-L-arginine methyl ester); HCO_3^- secretion; Duodenum (rat) (Takeuchi, K. (231) 135)

Morphine-induced locomotion; Morphine; Food intake (Calignano, A. (231) 415)

Nitric oxide (NO) synthase inhibitor
Urethra (dog); Non-adrenergic, non-cholinergic (NANC) relaxation; VIP receptor antagonists (Hashimoto, S. (231) 209)

Nitrocaramiphen: Muscarinic receptor antagonists
Caramiphen; Iodocaramiphen; Muscarinic M_1 receptors; (Rat) (Hudkins, R.L. (231) 485)

NK_1 receptors
Allergen; Bradykinin; CP-96,345; Airway microvascular leakage; Substance P (Sakamoto, T. (231) 31)

NMDA (N-methyl-D-aspartate)
Norbinaltorphimine; AMPA (α-amino-3-hydroxy-5-methyl-4-isoxazole propionate); Convulsion; Mortality (Shukla, V.K. (231) 293)

5-HT (5-hydroxytryptamine, serotonin); Cortex; Transmitter interaction (Rahman, S. (231) 347)

non-NMDA receptor antagonism
Spinal seizures; (Mouse) (McAllister, K.H. (231) 309)

NMDA receptors
Aging; Glycine; D-Cycloserine; Noradrenaline release; Glycine uptake (Pittaluga, A. (231) 129)

Dentate gyrus; Field potentials; Long-term potentiation; Dextromethorphan; Methadone; Codeine; Normethadone; MK 801 (Krug, M. (231) 355)

Non-adrenergic, non-cholinergic (NANC) relaxation
Urethra (dog); Nitric oxide (NO) synthase inhibitor; VIP receptor antagonists (Hashimoto, S. (231) 209)

Non-adrenergic, non-cholinergic (NANC) transmission
Nitric oxide (NO); Stomach (rat) (Shimamura, K. (231) 103)

Noradrenaline release
Aging; NMDA receptors; Glycine; D-Cycloserine; Glycine uptake (Pittaluga, A. (231) 129)

Norbinaltorphimine
NMDA (N-methyl-D-aspartate); AMPA (α-amino-3-hydroxy-5-methyl-4-isoxazole propionate); Convulsion; Mortality (Shukla, V.K. (231) 293)

Norepinephrine
Imipramine; Desipramine; 5-HT (5-hydroxytryptamine, serotonin); Triiodothyronine (Suzuki, S. (231) 297)

Normetazocine
σ Receptors; Substantia nigra; Movement; Naloxone; Opiates (Walker, J.M. (231) 61)

Normethadone
Dentate gyrus; Field potentials; Long-term potentiation; NMDA receptors; Dextromethorphan; Methadone; Codeine; MK 801 (Krug, M. (231) 355)

NO synthase inhibitors
Nitric oxide (NO); L-NAME (N^G-nitro-L-arginine methyl ester); HCO_3^- secretion; Duodenum (rat) (Takeuchi, K. (231) 135)

Oedema
Carrageenan; Ph CL28A; Pleurisy; Prostacyclin; Thromboxane (Santana, A.C. (231) 237)

Oestradiol-17β
Inhibin; Ovarian hormones; Gonadotrophin; Prostaglandin $F_{2\alpha}$; Indomethacin (Kogo, H. (231) 481)

8-OH-DPAT derivatives
5-HT_{1A} receptor agonists; 5-HT_{1A} receptor antagonists; (S)-UH-301; LY-41; 5-HT motor syndrome (Yu, H. (231) 69)

Opiates
Normetazocine; σ Receptors; Substantia nigra; Movement; Naloxone (Walker, J.M. (231) 61)

κ-Opioid agonists
U-50,488H; Rimcazole; DuPont Merck S-7389-4; σ Receptor antagonists; EEG power spectra (Young, G.A. (231) 473)

Opioid peptides
Shock titration; Antinociception; Rhesus monkey; SC-39566 (Hammond, D.L. (231) 281)

Opioid receptors
Tolerance; DADLE ([D-Ala^2,D-Leu^5]enkephalin); Autoradiography; (Rat) (Tao, P.-L. (231) 145)

κ-Opioid receptors
Bremazocine; Dynorphin; Ileum (guinea-pig) (Webster, J.L. (231) 251)

Ovarian hormones
Inhibin; Oestradiol-17β; Gonadotrophin; Prostaglandin $F_{2\alpha}$; Indomethacin (Kogo, H. (231) 481)

PAF (platelet-activating factor, PAF-acether)
Complement; Zymosan; WEB 2086; SM-12502; Plasma leakage (Damas, J. (231) 231)

Thrombosis; Thromboxane A_2; ADP; Thrombin; (Guinea-pig) (Hirata, Y. (231) 421)

Paw test
SCH 39166; Raclopride; Haloperidol; Dopamine D_1 receptors; Dopamine D_2 receptors (Prinssen, E.P.M. (231) 275)

(+)-Pentazocine
σ Receptor ligands; Dopamine; Microdialysis; Vacuous chewing; DTG (1,3-di-o-tolylguanidine) (Patrick, S.L. (231) 243)

Penumbra
Almitrine; Raubasine; Middle cerebral artery; Ischemia; (Cat) (Chan, P. (231) 175)

Pertussis toxin
Morphine; Substance P; Quinpirole; Carbachol; U-50,488H (Bot, G. (231) 53)

Ph CL28A
Carrageenan; Oedema; Pleurisy; Prostacyclin; Thromboxane (Santana, A.C. (231) 237)

Phenobarbital
Dystonia; Dopamine; GABA (γ-aminobutyric acid); Glutamate; Haloperidol (Richter, A. (231) 111)

Phenylalkylamine binding site
S312; Dihydrothienopyridine; Aorta (rat); Cerebral microvessels (rat); Dihydropyridine binding site (Dessy, C. (231) 435)

8-Phenyltheophylline
Adenosine; Adenosine A_2 receptor-mediated vasodilatation; K^+ channels (ATP-sensitive); Glibenclamide (Orito, K. (231) 183)

Phosphodiesterase inhibitors
Ca^{2+} channel antagonists; α_1-Adrenoceptor antagonists; Aorta (rat); Aporphines (Ivorra, M.D. (231) 165)

Phosphoramidon
Cilia; Maxillary sinus; Mucociliary activity; Tachykinins; Tachykinin receptors; (Rabbit) (Lindberg, S. (231) 375)

Endothelin-converting enzyme; Big endothelin-1; Big endothelin-3; Endothelin; Hemodynamics; (Rat) (Pollock, D.M. (231) 459)

Plasma leakage
Complement; Zymosan; PAF (platelet-activating factor, PAF-acether); WEB 2086; SM-12502 (Damas, J. (231) 231)

Pleurisy
Carrageenan; Oedema; Ph CL28A; Prostacyclin; Thromboxane (Santana, A.C. (231) 237)

Positive inotropy
DPI 201-106; BDF 9148; (Enantiomers) (Hoey, A. (231) 477)

Postsynaptic potentials
Acamprosate (calciumacetylhomotaurinate); Excitatory amino acids; GABA (γ-aminobutyric acid); Neocortex; Neurotransmission (Zeise, M.L. (231) 47)

Prefrontal cortex
Neurotensin; Xenopsin; Self-stimulation (Ferrer, J.M.R. (231) 39)

Probenecid
Dystonia; Glutamate (Richter, A. (231) 287)

Prolactin
Ipsapirone; DOI (1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane); 5-HT_{1A} receptors; 5-HT_2 receptors; Anxiolysis; Glucose; Corticosterone; Behaviour (Baudrie, V. (231) 395)

Prostacyclin
Carrageenan; Oedema; Ph CL28A; Pleurisy; Thromboxane (Santana, A.C. (231) 237)

Prostaglandin $F_{2\alpha}$
Inhibin; Oestradiol-17β; Ovarian hormones; Gonadotrophin; Indomethacin (Kogo, H. (231) 481)

Quinpirole
Pertussis toxin; Morphine; Substance P; Carbachol; U-50,488H (Bot, G. (231) 53)

Raclopride
Paw test; SCH 39166; Haloperidol; Dopamine D_1 receptors; Dopamine D_2 receptors (Prinssen, E.P.M. (231) 275)

Raubasine
Almitrine; Middle cerebral artery; Ischemia; Penumbra; (Cat) (Chan, P. (231) 175)

σ Receptor antagonists
U-50,488H; Rimcazole; DuPont Merck S-7389-4; κ-Opioid agonists; EEG power spectra (Young, G.A. (231) 473)

σ Receptor ligands
Dopamine; Microdialysis; Vacuous chewing; DTG (1,3-di-o-tolylguanidine); (+)-Pentazocine (Patrick, S.L. (231) 243)

Neurogenic twitch contraction; Benzomorphan-type σ receptor; ATP transmission; Vas deferens (mouse); Brain (guinea-pig); SK&F 10,047 (N-allylnormetazocine); Rimcazole; Haloperidol (Matsuno, K. (231) 451)

SR 31742A; Neurotensin; Antipsychotics (Labie, C. (231) 465)

σ Receptors
Normetazocine; Substantia nigra; Movement; Naloxone; Opiates (Walker, J.M. (231) 61)

Neuropeptide Y (NPY); CCK (cholecystokinin); Bicarbonate secretion; Duodenum; (Rat) (Pascaud, X.B. (231) 389)

Renal arteries
EDRF (endothelium-derived relaxing factor); Ischemia; Renal hemodynamics; (Rabbit) (Pruneau, D. (231) 215)

Renal hemodynamics
Renal arteries; EDRF (endothelium-derived relaxing factor); Ischemia; (Rabbit) (Pruneau, D. (231) 215)

Reserpine
Substantia nigra pars compacta; Dopamine neurons; Dopamine receptor agonists; Firing pattern; Single-unit recording; Supersensitivity (Sun, B.-C. (231) 331)

Respiratory burst
Eosinophils; Salmeterol; Eformoterol; Salbutamol; β-Adrenoceptors (Rabe, K.F. (231) 305)

Rhesus monkey
Shock titration; Antinociception; Opioid peptides; SC-39566 (Hammond, D.L. (231) 281)

Rimcazole
σ Receptor ligands; Neurogenic twitch contraction; Benzomorphan-type σ receptor; ATP transmission; Vas deferens (mouse); Brain (guinea-pig); SK&F 10,047 (N-allylnormetazocine); Haloperidol (Matsuno, K. (231) 451)

U-50,488H; DuPont Merck S-7389-4; κ-Opioid agonists; σ Receptor antagonists; EEG power spectra (Young, G.A. (231) 473)

S-1452 (calcium (1R,2S,3S,4S)-(5Z)-7-(((phenylsulfonyl)amino)bicyclo[2.2.1]hept-2-yl)hept-5-enoate dihydrate)
Thromboxane A_2; Lipopolysaccharide; TNF (tumor necrosis factor); Bronchial hyperresponsiveness (Arimura, A. (231) 13)

S312
Dihydrothienopyridine; Aorta (rat); Cerebral microvessels (rat); Dihydropyridine binding site; Phenylalkylamine binding site (Dessy, C. (231) 435)

Salbutamol
Eosinophils; Respiratory burst; Salmeterol; Eformoterol; β-Adrenoceptors (Rabe, K.F. (231) 305)

Salmeterol
Eosinophils; Respiratory burst; Eformoterol; Salbutamol; β-Adrenoceptors (Rabe, K.F. (231) 305)

SC-39566
Shock titration; Antinociception; Opioid peptides; Rhesus monkey (Hammond, D.L. (231) 281)

SCH 39166
Paw test; Raclopride; Haloperidol; Dopamine D_1 receptors; Dopamine D_2 receptors (Prinssen, E.P.M. (231) 275)

Self-stimulation
Neurotensin; Xenopsin; Prefrontal cortex (Ferrer, J.M.R. (231) 39)

Sensory neuropeptides
Adenosine; Antinociception; Adenosine receptors; Capsaicin (Santicioli, P. (231) 139)

Shock titration
Antinociception; Opioid peptides; Rhesus monkey; SC-39566 (Hammond, D.L. (231) 281)

Single-unit recording
Reserpine; Substantia nigra pars compacta; Dopamine neurons; Dopamine receptor agonists; Firing pattern; Supersensitivity (Sun, B.-C. (231) 331)

SK&F 10,047 (N-allylnormetazocine)
σ Receptor ligands; Neurogenic twitch contraction; Benzomorphan-type σ receptor; ATP transmission; Vas deferens (mouse); Brain (guinea-pig); Rimcazole; Haloperidol (Matsuno, K. (231) 451)

SM-12502
Complement; Zymosan; PAF (platelet-activating factor, PAF-acether); WEB 2086; Plasma leakage (Damas, J. (231) 231)

Smooth muscle (vascular)
Cromakalim; Na^+,K^+ ATPase pump; K^+ channels (Hong, K.W. (231) 1)

Endothelium (vascular); EDRF (endothelium-derived relaxing factor); Endothelins; ET_B receptors; ET_B receptor antagonists; IRL 1038; Aorta (rat) (Karaki, H. (231) 371)

Soleus muscle
Chlorpromazine; Extensor digitorum longus muscle; Myotonic depression (Liu, S.-H. (231) 23)

Somatostatin
2-Deoxyglucose; Cerebral cortex; Hippocampus; Acetylcholine; Acetylcholine receptors (Shibata, S. (231) 381)

Spinal seizures
non-NMDA receptor antagonism; (Mouse) (McAllister, K.H. (231) 309)

Spiperone
5-HT (5-hydroxytryptamine, serotonin); α-Methyl-5-hydroxytryptamine; Bronchi (rat); 5-HT_2 receptors; Ketanserin; Mianserin; Electrical field stimulation; Cholinergic nerves (Szarek, J.L. (231) 339)

Spontaneously hypertensive rat (SHR)
Imipramine; Clonidine; Centhaquin; Blood pressure; Central nervous system (CNS); 5-HT uptake sites (Gulati, A. (231) 151)

SR 31742A
Neurotensin; σ Receptor ligands; Antipsychotics (Labie, C. (231) 465)

Stereotypies
Dopamine receptors; Behavioral supersensitivity; Autoradiography (Marin, C. (231) 191)

Stomach (rat)
Non-adrenergic, non-cholinergic (NANC) transmission; Nitric oxide (NO) (Shimamura, K. (231) 103)

Substance P
Allergen; Bradykinin; CP-96,345; Airway microvascular leakage; NK_1 receptors (Sakamoto, T. (231) 31)

Pertussis toxin; Morphine; Quinpirole; Carbachol; U-50,488H (Bot, G. (231) 53)

Substantia nigra
Normetazocine; σ Receptors; Movement; Naloxone; Opiates (Walker, J.M. (231) 61)

Substantia nigra pars compacta
Reserpine; Dopamine neurons; Dopamine receptor agonists; Firing pattern; Single-unit recording; Supersensitivity (Sun, B.-C. (231) 331)

Supersensitivity
Reserpine; Substantia nigra pars compacta; Dopamine neurons; Dopamine receptor agonists; Firing pattern; Single-unit recording (Sun, B.-C. (231) 331)

Sympathetic nervous system
Tryptophan; 5-HT_{1C}/5-HT_2 receptors; Blood-brain barrier; Immobilization stress (Chaouloff, F. (231) 77)

Tachykinin receptors
Cilia; Maxillary sinus; Mucociliary activity; Phosphoramidon; Tachykinins; (Rabbit) (Lindberg, S. (231) 375)

Tachykinins
Cilia; Maxillary sinus; Mucociliary activity; Phosphoramidon; Tachykinin receptors; (Rabbit) (Lindberg, S. (231) 375)

Taurine
Ca^{2+} channels (L-type); Ca^{2+} channels (T-type); Cardiac myocytes; Heart cells (embryonic chick); Voltage clamp (whole cell); Electrophysiology (Satoh, H. (231) 443)

Tetrahydrocannabinol
Cannabinoids; Marihuana (Fride, E. (231) 313)

Thrombin
Thrombosis; Thromboxane A_2; PAF (platelet-activating factor, PAF-acether); ADP; (Guinea-pig) (Hirata, Y. (231) 421)

Thrombosis
Thromboxane A_2; PAF (platelet-activating factor, PAF-acether); ADP; Thrombin; (Guinea-pig) (Hirata, Y. (231) 421)

Thromboxane
Carrageenan; Oedema; Ph CL28A; Pleurisy; Prostacyclin (Santana, A.C. (231) 237)

Thromboxane A_2
S-1452 (calcium (1R,2S,3S,4S)-(5Z)-7-(((phenylsulfonyl)amino)bicyclo[2.2.1]hept-2-yl)hept-5-enoate dihydrate); Lipopolysaccharide; TNF (tumor necrosis factor); Bronchial hyperresponsiveness (Arimura, A. (231) 13)

Thrombosis; PAF (platelet-activating factor, PAF-acether); ADP; Thrombin; (Guinea-pig) (Hirata, Y. (231) 421)

TNF (tumor necrosis factor)
S-1452 (calcium (1R,2S,3S,4S)-(5Z)-7-(((phenylsulfonyl)amino)bicyclo[2.2.1]hept-2-yl)hept-5-enoate dihydrate); Thromboxane A_2; Lipopolysaccharide; Bronchial hyperresponsiveness (Arimura, A. (231) 13)

Tolerance
DADLE ([D-Ala^2,D-Leu^5]enkephalin); Opioid receptors; Autoradiography; (Rat) (Tao, P.-L. (231) 145)

(+)-MK-801; Ethanol; (Rat) (Wu, P.H. (231) 157)

Dopamine; Microdialysis; Ethanol reinforcement (Rossetti, Z.L. (231) 203)

Transmitter interaction
5-HT (5-hydroxytryptamine, serotonin); NMDA (N-methyl-D-aspartate); Cortex (Rahman, S. (231) 347)

Triiodothyronine
Imipramine; Desipramine; Norepinephrine; 5-HT (5-hydroxytryptamine, serotonin) (Suzuki, S. (231) 297)

Tryptophan
5-HT_{1C} /5-HT_2 receptors; Blood-brain barrier; Sympathetic nervous system; Immobilization stress (Chaouloff, F. (231) 77)

U-50,488H
Pertussis toxin; Morphine; Substance P; Quinpirole; Carbachol (Bot, G. (231) 53)

Rimcazole; DuPont Merck S-7389-4; κ-Opioid agonists; σ Receptor antagonists; EEG power spectra (Young, G.A. (231) 473)

(S)-UH-301
5-HT_{1A} receptor agonists; 5-HT_{1A} receptor antagonists; 8-OH-DPAT derivatives; LY-41; 5-HT motor syndrome (Yu, H. (231) 69)

Urethra (dog)
Non-adrenergic, non-cholinergic (NANC) relaxation; Nitric oxide (NO) synthase inhibitor; VIP receptor antagonists (Hashimoto, S. (231) 209)

Vacuous chewing
σ Receptor ligands; Dopamine; Microdialysis; DTG (1,3-di-o-tolylguanidine); (+)-Pentazocine (Patrick, S.L. (231) 243)

Vascular 5-HT_1-like receptors
5-HT (5-hydroxytryptamine, serotonin); 5-Carboxamidotryptamine; (Effect of pre-contraction) (Choppin, A. (231) 469)

Vas deferens (mouse)
σ Receptor ligands; Neurogenic twitch contraction; Benzomorphan-type σ receptor; ATP transmission; Brain (guinea-pig); SK&F 10,047 (N-allylnormetazocine); Rimcazole; Haloperidol (Matsuno, K. (231) 451)

Ventricular arrhythmia
Gallopamil; (Triggered activity); (Plasma concentration) (Matsuzaki, T. (231) 363)

VIP receptor antagonists
Urethra (dog); Non-adrenergic, non-cholinergic (NANC) relaxation; Nitric oxide (NO) synthase inhibitor (Hashimoto, S. (231) 209)

VIP (vasoactive intestinal polypeptide)
Nitric oxide (NO); Cholinergic neurotransmission; Inhibitory non-adrenergic non-cholinergic (i-NANC); Electrical field stimulation (Belvisi, M.G. (231) 97)

Voltage clamp
Achatin-I; D-Amino acid residue; Molluscan peptide; 5-HT (5-hydroxytryptamine, serotonin); Modulatory effects; Neurons; (Snail) (Jun Liu, G. (231) 259)

Voltage clamp (whole cell)
Taurine; Ca^{2+} channels (L-type); Ca^{2+} channels (T-type); Cardiac myocytes; Heart cells (embryonic chick); Electrophysiology (Satoh, H. (231) 443)

WEB 2086
Complement; Zymosan; PAF (platelet-activating factor, PAF-acether); SM-12502; Plasma leakage (Damas, J. (231) 231)

Xenopsin
Neurotensin; Self-stimulation; Prefrontal cortex (Ferrer, J.M.R. (231) 39)

Zymosan
Complement; PAF (platelet-activating factor, PAF-acether); WEB 2086; SM-12502; Plasma leakage (Damas, J. (231) 231)